## Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims

- 1. (Currently amended) A method for treating a mucus secretion of a patient, the method comprising the step of administering to a patient at a location inferior to the nose of the patient an effective amount of a botulinum toxin to a region of a patient selected from the group consisting of the gastrointestinal tract and the genital tract in order to reduce a mucus secretion of the patient, wherein the mucus secretion is not a symptom of rhinorrhea.
- 2. (Original) The method of claim 1, wherein the mucus secretion is a cholinergic influenced mucus secretion.
- 3. (Original) The method of claim 1, wherein the botulinum toxin is botulinum toxin type A.
- 4. (Original) The method of claim 1, wherein the botulinum toxin is selected from the group consisting of botulinum toxin types A, B, C, D, E, F and G.
- 5. (Original) The method of claim 1, wherein the botulinum toxin is administered in an amount of between 0.01 units and 5000 units.

- 6. (Original) The method of claim 1, wherein the botulinum toxin is administered in an amount of between 0.01 unit and 500 units.
- A method for treating a cholinergic (Currently amended) influenced mucus secretion of a human patient, the method comprising the step of administering to a human patient at a location inferior to the nose of the patient a therapeutically effective amount of botulinum toxin type A to a region of a group consisting the selected from the gastrointestinal tract and the genital tract in order to reduce wherein the mucus secretion is not a the mucus secretion, symptom of rhinorrhea.
- 8. (Currently amended) A method for treating a mucus secreting gland, the method comprising the step of administering to a mucus secreting gland of a region selected from the group consisting of the gastrointestinal tract, the genital tract, and the respiratory tract located inferior to the nose of a patient a botulinum toxin thereby reducing a mucus secretory activity of the gland, wherein the mucus secretion is not a symptom of rhinorrhea.
- 9. (Original) The method of claim 8, wherein the gland is an excessively secreting mucus gland.
- 10. (Original) The method of claim 8, wherein the mucus gland is influenced by the cholinergic nervous system.

- 11. (Original) The method of claim 8, wherein the botulinum toxin is administered by injection into the mucus gland or into the local area of the mucus gland.
- 12. (Original) The method of claim 8, wherein the botulinum toxin is botulinum toxin type A.
- 13. (Original) The method of claim 8, wherein the botulinum toxin is selected from the group consisting of botulinum toxin types A, B, C, D, E, F and G.
- 14. (Original) The method of claim 8, wherein the botulinum toxin is administered in an amount of between 0.01 units and 5000 units.
- 15. (Original) The method of claim 8, wherein the botulinum toxin is administered in an amount of between 0.01 units and 500 units.
- 16. (Currently amended) A method for treating an excessively secreting mucus gland, the method comprising the step of injecting an excessively secreting, cholinergic nervous system influenced mucus gland or local mucus gland area of a region selected from the group consisting of the gastrointestinal tract, the genital tract, and the respiratory tract of a human patient located inferior to the mose of the patient with a therapeutically effective amount of botulinum toxin type A in order to reduce the excessive mucus gland secretion, wherein the mucus secretion is not a symptom of rhinorrhea.

## 17. (Cancelled)

- 18. (Previously presented) The method of claim 1, wherein the botulinum toxin is administered into a hyperactive intestinal mucosa.
- 19. (Previously presented) The method of claim 1, wherein the administration of the botulinum toxin is effective in treating a condition associated with the mucus secretion which has a duration less than the longevity of the effect of the administration of the botulinum toxin.